

Surface Land Ownership Within and Adjacent to the Permit Area

The following information describes the surface land ownership within and adjacent to the permit area. Please refer to Plate I-1.

Section 19, T22S, R6E

Thomas C. Bunn
88 W 500 S
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USA
NO ADDRESS GIVEN

Castle Valley Ranch
PO Box 588
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James V. Olsen
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United States of America (BLM)
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Salt Lake City, UT 84111
(801) 524-5330

Julian L. Bowman
P.O. Box 141
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George E. & Patricia Olsen
5829 Oak Knolls Rd
Simi Valley, CA 93063-4519

Wynona P. Olsen, trustee, etal
12366 Mountain View Dr.
Riverton, UT 84065-7280

Utah Power & Light
PacifiCorp
ATTN: Norman K. Ross
700 NE Multnomah St. Ste 700
Portland, OR 97232-4107

Glendon E. Johnson
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Washington, DC 20036

FILE IN Expandable 10192006
Refer to Record No. 0008
in CO150015, 2006, INCOMING
for additional information

Revised 10/2006

Section 20, T22S, R6E

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Gary L & Jolene Petty
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Glen Rhody & Norma Anderson
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Castle Dale, UT 84513

Osbrun Bret Carter, etal
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Section 21, T22S, R6E

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L.D. & Christy A. Jensen
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Revised 10/2006

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Section 22, T22S, R6E

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Section 27, T22S, R6E

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Section 28, T22S, R6E

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Section 29, T22S, R6E

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Russell H. Odle
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Morgan C. Robertson
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Rainbow Glass Ranch
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Section 30, T22S, R6E

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Clara V. Albrechtsen
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Section 31, T22S, R6E

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Section 32, T22S, R6E

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Section 33, T22S, R6E

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Section 34, T22S, R6E

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USA

Section 1, T23S, R6E

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USA

Section 4, T23S, R6E

USA

Section 5, T23S, R6E

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USA

Section 6, T23S, R6E

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State of Utah

USA

State appropriated water and irrigated lands are shown on Plate VI-6. Irrigation ditches are shown on Plate V-3. Hay producing lands are shown on Plate V-4. Subsidence monitoring points and pond locations are shown on Plate V-5. Prime farmland is shown on Figure XII-1, App. XII-1.

The mining method used is room and pillar with partial pillar removal. Full extraction mining is not practiced at Emery. As a result, any subsidence would fall into the unplanned category. Figure 1 pg. 28 shows the partial pillar splitting diagram employed underground. This layout is the result of past experience as well as state and federal regulations pertaining to roof control and ventilation. This methodology has been approved by MSHA.

Consol intends to prevent subsidence from affecting Quitchupah Creek, Christiansen Wash and the alluvial valley floor area on the west side of the permit area (Refer to Plate V-5). An intermittently occupied dwelling in Section 30 will also be protected from subsidence. As of the date of this writing, a subsidence waiver has not been obtained on this dwelling. At such time as a waiver is obtained, the Division shall be notified and the buffer around this dwelling will be removed. Other than these features, the presubsidence survey, and our knowledge of the permit area confirms that there aren't any structures overlying present or future underground workings for which mitigation of subsidence effects would be overly difficult.

The three above noted features will be protected by establishing buffer zones which in turn are created by leaving coal pillars of adequate size beneath these areas. The dimensions of the buffer zone will be determined by the overburden depth and the angle of draw. With respect to Quitchupah Creek and Christiansen Wash, the buffer zone will include an additional standoff distance of 100 ft. on either side, as required by UMC 817.57. The pillar dimensions are based on established geotechnical information and a factor of safety for long term pillar stability. The partial pillar splitting design data can be found at CH V Page 28a, 28b, and 28c. A pillar split plan sketch can be found at CH V Page 28 and Figure V-1 on CH V Page 28d. As can be seen from the following design data this partial pillar splitting plan will not result in subsidence, and is considered unplanned subsidence per the MRP.

Replaced 12/04
Revised 1/05
Revised 10/06